

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	38	yamazaki-mitsuo.in.	US-PGPUB; USPAT	OR	ON	2006/10/25 08:28
S1	1	10/786617	US-PGPUB; USPAT	OR	ON	2006/10/18 15:00
S2	7402	((calculat\$3 or determin\$3) with (disc or disk or medium)) with (capacity or space)	US-PGPUB; USPAT	OR	ON	2006/10/18 16:14
S3	295	S2 same (defect\$3 or imperfection\$3 or manufactur\$3)	US-PGPUB; USPAT	OR	ON	2006/10/18 15:03
S4	86	S3 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/18 15:03
S5	5	((calculat\$3 or determin\$3) with (disc or disk or medium)) with (capacity or space)).ti.	US-PGPUB; USPAT	OR	ON	2006/10/18 16:19
S6	2	"calculate disc capacity"	US-PGPUB; USPAT	OR	ON	2006/10/18 16:20
S7	235623	(disc disk medium DVD CD) near2 (capacity storage)	US-PGPUB; USPAT	OR	ON	2006/10/18 16:21
S8	27661	(disc disk medium DVD CD) near2 (capacity)	US-PGPUB; USPAT	OR	ON	2006/10/18 16:21
S9	4272	S8 same (calculat\$3 determin\$5 or detect\$3)	US-PGPUB; USPAT	OR	ON	2006/10/18 16:22
S10	869	S9 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/18 16:22
S11	1793	S8 with (calculat\$3 determin\$5 or detect\$3)	US-PGPUB; USPAT	OR	ON	2006/10/18 16:22
S12	869	S9 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/18 16:22
S13	325	S11 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/18 16:22
S15	105	S13 and (tilt wobble eccentricity (read adj2 rate))	US-PGPUB; USPAT	OR	ON	2006/10/18 16:24
S16	356	(369/47.14).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 12:56
S17	27716	(disc disk medium DVD CD) near2 (capacity)	US-PGPUB; USPAT	OR	ON	2006/10/19 12:56
S18	1795	S17 with (calculat\$3 determin\$5 or detect\$3)	US-PGPUB; USPAT	OR	ON	2006/10/19 12:56
S19	27	S16 and S18	US-PGPUB; USPAT	OR	ON	2006/10/19 12:56

## EAST Search History

S20	3	("5829017"   "6182240"   "6301220").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:22
S21	16507	(manufactur\$3 defect\$3 imperfection\$3 scratch wobble tilt (rate near2 prepits) (eccentricity or run-out)) with ((disc or disk or medium or storage) near3 (capacity or space or storage))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:28
S22	1718	(manufactur\$3 defect\$3 imperfection\$3 scratch wobble tilt (rate near2 prepits) (eccentricity or run-out)) with ((disc or disk or medium) near3 (capacity or space))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 13:28
S23	387	(369/53.19).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:28
S24	1034	(369/44.32).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:29
S25	72	(369/53.13).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:29
S26	346	(369/53.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:30
S27	356	(369/47.14).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 13:30
S28	1759	S23 S24 S25 S26 S27	US-PGPUB; USPAT	OR	ON	2006/10/19 13:30
S29	3256	S22 S28	US-PGPUB; USPAT	OR	ON	2006/10/19 13:30
S30	114	S22 and S28	US-PGPUB; USPAT	OR	ON	2006/10/19 14:43
S31	161677	(determin\$3 or calculat\$3 or detect\$3) near4 (capacity or storage or space)	US-PGPUB; USPAT	OR	ON	2006/10/19 14:45
S32	2307	(determin\$3 or calculat\$3 or detect\$3) near4 ((disc or disk) near2 (capacity or storage or space))	US-PGPUB; USPAT	OR	ON	2006/10/23 16:10
S33	53	S28 and S32	US-PGPUB; USPAT	OR	ON	2006/10/19 14:53
S34	1323	(limit\$3) near5 ((disk or disc) near2 (capacity or space))	US-PGPUB; USPAT	OR	ON	2006/10/19 15:17
S35	107	S34 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/19 14:56
S36	1	S28 and S34	US-PGPUB; USPAT	OR	ON	2006/10/19 14:55

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S37	18	S35 and (tilt wobble eccentricity (rate near2 prepit))	US-PGPUB; USPAT	OR	ON	2006/10/19 15:00
S38	46	S34 same (defect or imperfection or manufactur\$3)	US-PGPUB; USPAT	OR	ON	2006/10/19 15:18
S39	1	S28 and S38	US-PGPUB; USPAT	OR	ON	2006/10/19 15:18
S40	478	recordable near2 capacity	US-PGPUB; USPAT	OR	ON	2006/10/23 09:26
S41	387	(369/53.19).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 09:26
S42	1034	(369/44.32).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 09:26
S43	72	(369/53.13).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 09:26
S44	346	(369/53.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 09:26
S45	356	(369/47.14).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 09:26
S46	1759	S41 S42 S43 S44 S45	US-PGPUB; USPAT	OR	ON	2006/10/23 09:26
S47	10	S40 and S46	US-PGPUB; USPAT	OR	ON	2006/10/23 09:26
S48	2	("5854777").URPN.	USPAT	OR	ON	2006/10/23 09:49
S49	88	((disc or disk or medium) near2 (imperfection or defect)) with (capacity or space)	USPAT	OR	ON	2006/10/23 09:50
S50	15	S46 and S49	USPAT	OR	ON	2006/10/23 09:57
S51	3257	(manag\$5 monitor\$5 determin\$5 calculat\$5) with (record\$5 near2 (capacity or room or storage or space))	USPAT	OR	ON	2006/10/23 10:04
S52	445	S51 and "369".clas.	USPAT	OR	ON	2006/10/23 10:04
S53	26	S46 and S51	USPAT	OR	ON	2006/10/23 12:15
S54	1885	((disc or disk or medium) near3 (capacity or space)) with (determin\$5 or calculat\$5)	USPAT	OR	ON	2006/10/23 12:18
S55	31	S46 and S54	USPAT	OR	ON	2006/10/23 12:32
S56	2063	record\$5 and capacity and (defect or imperfection or manufactur\$3 or wobble or eccentricity).ti.	USPAT	OR	ON	2006/10/23 12:36
S57	1	(record\$5 and capacity and (defect or imperfection or manufactur\$3 or wobble or eccentricity)).ti.	US-PGPUB; USPAT	OR	ON	2006/10/23 12:36

## EAST Search History

S58	3511	(record\$5 same capacity same (defect or imperfection or manufactur\$3 or wobble or eccentricity))	US-PGPUB; USPAT	OR	ON	2006/10/23 12:37
S59	145	S46 and S58	US-PGPUB; USPAT	OR	ON	2006/10/23 12:36
S60	1220	(record\$5 near3 capacity) same (defect or imperfection or manufactur\$3 or wobble or eccentricity)	US-PGPUB; USPAT	OR	ON	2006/10/23 12:37
S61	103	S46 and S60	US-PGPUB; USPAT	OR	ON	2006/10/23 12:39
S62	2613	(limit\$3 or control\$5 or restrict\$5) with (record\$5 near3 capacity)	US-PGPUB; USPAT	OR	ON	2006/10/23 12:41
S63	34	S46 AND S62	US-PGPUB; USPAT	OR	ON	2006/10/23 12:56
S64	11	(manufactur\$3 near2 error) same (record\$4 near3 capacity)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:25
S65	504	limitat\$5 with (record\$5 and capacit\$4)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:27
S66	8	S46 and S65	US-PGPUB; USPAT	OR	ON	2006/10/23 13:31
S67	690	((disc or disk or manufactur\$3) near2 (error or defect)) same (capacity)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:33
S68	64	S46 and S67	US-PGPUB; USPAT	OR	ON	2006/10/23 13:33
S69	1	((disc or disk or medium) near2 defect) with (decreas\$3 near2 capacity)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:08
S70	12023	((determin\$5 or calculat\$5) and limit\$5) with (capacity)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:11
S71	8	S46 and S70	US-PGPUB; USPAT	OR	ON	2006/10/23 14:17
S72	324	(wobbl\$3 or tilt\$3 or (read near2 prepts) or eccentricity) with (disc and capacity)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:21
S73	179	S72 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/23 14:20
S74	34	S46 and S72	US-PGPUB; USPAT	OR	ON	2006/10/23 15:14
S75	268	((determin\$5 calculat\$5) near3 (capacity or space)) with (defect\$5 imperfect\$5 wobbl\$5 eccentricity tilt)	US-PGPUB; USPAT	OR	ON	2006/10/23 15:20

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S76	22	S75 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/23 15:19
S77	1649	((determin\$5 calculat\$5) near3 (capacity or space)) with (defect\$5 imperfect\$5 wobbl\$5 eccentricity tilt error manufactur\$5)	US-PGPUB; USPAT	OR	ON	2006/10/23 15:40
S78	269	((determin\$5 calculat\$5) near3 (capacity or space)) with (defect\$5 imperfect\$5 wobbl\$5 eccentricity tilt (error near2 manufactur\$5))	US-PGPUB; USPAT	OR	ON	2006/10/23 15:24
S79	22	S78 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/23 15:24
S80	2187	((determin\$5 calculat\$5) near3 (efficiency or capacity or space)) with (defect\$5 imperfect\$5 wobbl\$5 eccentricity tilt error manufactur\$5)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:12
S81	1034	S46 and S42	US-PGPUB; USPAT	OR	ON	2006/10/23 15:40
S82	18	S46 and S80	US-PGPUB; USPAT	OR	ON	2006/10/23 15:51
S83	984	((disc or disk or manufactur\$3) near2 (error or imperfection)) with (capacity or efficiency or size or space)	US-PGPUB; USPAT	OR	ON	2006/10/23 15:53
S84	8	S46 and S83	US-PGPUB; USPAT	OR	ON	2006/10/23 15:54
S85	105	S83 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/23 16:07
S86	1	((disc or disk or medium) near10 (measur\$3 near2 capacity)) with (defect or imperfection or wobbl\$3 or tilt or eccentricity)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:09
S87	2605	(determin\$3 or calculat\$3 or detect\$3 or measur\$3) near4 ((disc or disk) near2 (capacity or storage or space))	US-PGPUB; USPAT	OR	ON	2006/10/23 16:10
S88	18	S46 and S80	US-PGPUB; USPAT	OR	ON	2006/10/23 16:11
S89	3507	((determin\$5 calculat\$5 measur\$5) near3 (efficiency or capacity or space)) with (defect\$5 imperfect\$5 wobbl\$5 eccentricity tilt error manufactur\$5)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:12
S90	18	S46 and S89	US-PGPUB; USPAT	OR	ON	2006/10/23 16:13

## EAST Search History

S91	0	S88 not S90	US-PGPUB; USPAT	OR	ON	2006/10/23 16:13
S92	21015	(detect\$5 or calculat\$5 or measur\$5) SAME ((disc or disk or medium) near3 (space or capacity or memory or space))	US-PGPUB; USPAT	OR	ON	2006/10/24 08:29
S93	2222	S92 and "369".clas.	US-PGPUB; USPAT	OR	ON	2006/10/24 08:29
S94	387	(369/53.19).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:29
S95	1036	(369/44.32).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:29
S96	72	(369/53.13).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:29
S97	346	(369/53.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:29
S98	356	(369/47.14).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:29
S99	1761	S94 S95 S96 S97 S98	US-PGPUB; USPAT	OR	ON	2006/10/24 08:29
S10 0	192	S92 and S99	US-PGPUB; USPAT	OR	ON	2006/10/24 08:29
S10 1	1520	S92 and (tilt or wobble or eccentricity)	US-PGPUB; USPAT	OR	ON	2006/10/24 08:30
S10 2	80	S100 and (tilt or wobble or eccentricity)	US-PGPUB; USPAT	OR	ON	2006/10/24 08:32
S10 3	33119	(lower reduc\$3 limit\$3) with ((disc or disk or medium) near2 (capacity or storage))	US-PGPUB; USPAT	OR	ON	2006/10/24 08:34
S10 4	83	S99 and S103	US-PGPUB; USPAT	OR	ON	2006/10/24 08:40
S10 5	1	2000-293850	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 08:50
S10 6	30	((CD DVD disc disk medium) near3 (defect imperfection scratch wobble tilt eccentricity)) near10 ((lower reduce lessen) near3 (capacity or storage or memory))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 08:56

## EAST Search History

S10 7	98	((CD DVD disc disk medium) near10 (defect imperfection)) same ((lower reduce lessen) near3 (capacity or storage or memory))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 12:39
S10 8	57	(tilt same wobbl\$3 same eccentricity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 14:08